



# Regional Ecosystem Data Management

National Coastal Data Development Center  
www.ncddc.noaa.gov

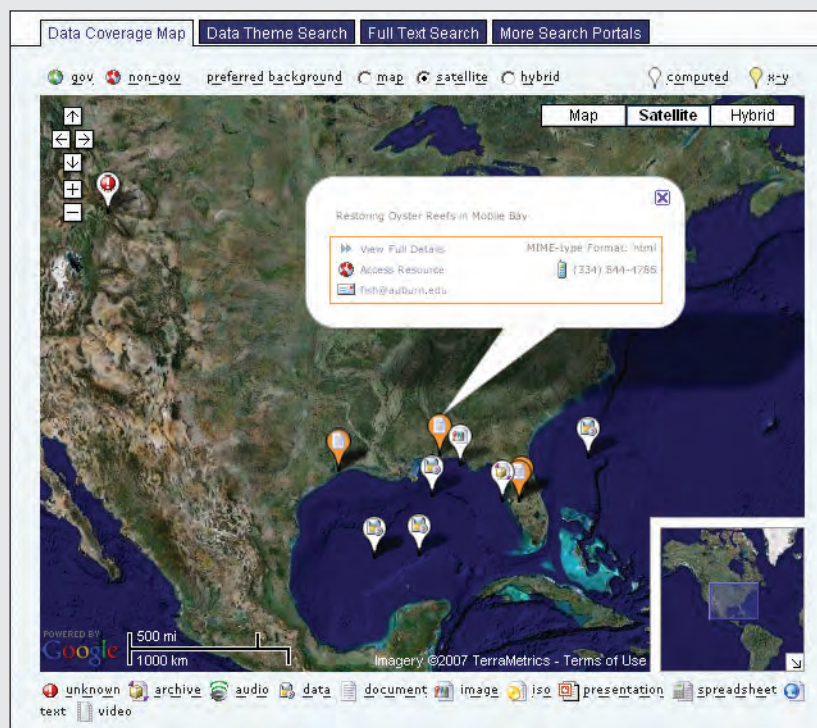


NOAA's National Coastal Data Development Center (NCDDC) provides a coordinated data management system and data discovery mechanism for atmospheric, oceanographic, and terrestrial physical sciences to facilitate sustained economic growth, scientifically sound environmental management, and public safety to the Nation and the international community. NCDDC is a leader in Regional Ecosystem Data Management (REDM) and the establishment of Regional Ecosystem Data Assembly Portals that provide access to data and information through the cataloging, formatting, archiving, and dissemination of the data streams in collaboration with federal and state agencies, regional observing system associations, academic researchers, and non-governmental organizations. NCDDC ensures that core data variables for an Integrated Ecosystem Assessment (IEA) are available to scientists in common usage formats via a web-based portal providing timely access to integrated observations data, information, products, and model analyses.

## The goals of the NCDDC REDM efforts are:

- 1) Lead development of a data integration framework to meet IEA requirements;
- 2) Ensure Integrated Ocean Observing System (IOOS) data is compliant with IOOS Data Management and Communications (DMAC) and Global Earth Observation Integrated Data Environment (GEO-IDE) protocols;
- 3) Support pilot IEA activities in several regional ecosystems and/or sub-units to: emphasize data management and communication procedures; assist in the development of appropriate indicators; provide modeling and forecasting tools for understanding ecosystem response.

NCDDC's Semantic Catalog allows the user to search for data by using a Data Coverage Map, a Data Theme Search, or a Full Text Search. This depicted Google Map allows the user to search for data based on relationships between IOOS data and ecosystem coverage concepts. Marker icons are displayed for each record in the set. One can mouse-over the icons to view the IOOS data types represented by the record.



## For more information:

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- Please visit our website: <http://ecowatch.ncddc.noaa.gov>